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# KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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**AGRICULTURAL NEWS:** Sunny skies and 60 degree temperatures started the week, but a sequence of low pressure systems brought rain and cooler weather to various parts of the State. Portions of eastern Kentucky experienced several threats of early morning frost and received as much as 3 inches of precipitation prompting flash flood watches and warnings. Temperatures for the period averaged 52 degrees across the State which was 9 degrees below normal. Precipitation for the period totaled 1.98 inches statewide, 0.98 inches above normal. **Topsoil moisture** as of Friday, April 29 was rated 1 percent short, 64 percent adequate, and 35 percent surplus. **Subsoil moisture** was rated 2 percent short, 74 percent adequate, and 24 percent surplus. Days suitable for fieldwork averaged 2.3 out of a possible 7 days. Primary farming activities for the week continued to include spreading fertilizer, spraying herbicides, planting corn and soybeans, and top dressing wheat.

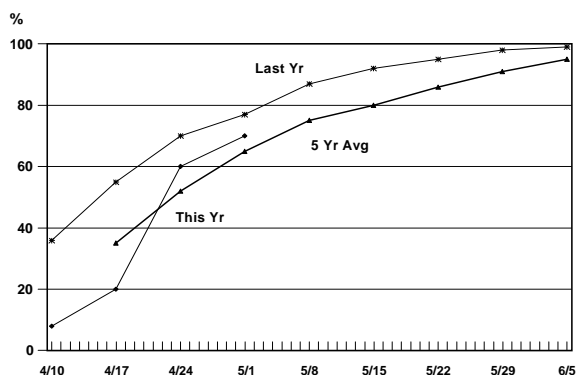
**TOBACCO:** As of Sunday, May 1, tobacco transplants were reported as 48 percent less than 2 inches, 35 percent were between 2 to 4 inches, and 17 percent were larger than 4 inches. Burley tobacco set was at 1 percent while dark tobacco is ready to set but farmers wait for drier ground conditions.

**CORN AND SOYBEANS:** Corn producers have seeded 70 percent of their acres, as of Sunday, May 1, compared to 77 percent last year, and 65 percent for the average. Corn germination continues to progress as most western farmers reported planting near completion, although excess soil moisture has hindered some areas of eastern Kentucky. Emerged corn was reported at 33 percent, behind last year's 48 percent and the average of 40 percent. Corn emerged condition rated at 1 percent poor, 25 percent fair, 67 percent good, 7 percent excellent. Soybeans were 7 percent planted, equal to last year's percentage as well as the average.

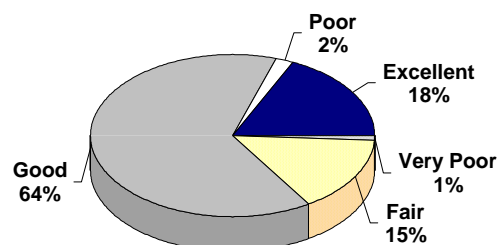
**SMALL GRAINS:** As of Friday, April 29, winter wheat condition was rated 1 percent very poor, 2 percent poor, 15 percent fair, 64 percent good, and 18 percent excellent. Wheat headed or heading was reported at 30 percent, compared to 28 percent in 2004, and 39 percent for the average.

**OTHER CROPS:** Range and pasture condition was rated 2 percent poor, 25 percent fair, 57 percent good, and 16 percent excellent. Forage growth has been aided by the recent wet conditions. Alfalfa weevil has picked up but farmers are ready to cut as soon as the weather permits. Hay crop condition was reported at 3 percent poor, 24 percent fair, 54 percent good, and 19 percent excellent. Producers also reported ample supplies of nitrogen fertilizer.

**CORN PLANTING PROGRESS**



**WHEAT CONDITION  
(April 29)**



## KENTUCKY CROP PROGRESS

WEEK ENDING MAY 1, 2005  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn					
Planted	70	77	65	60	30
Emerged	33	48	40	20	NA
Wheat Headed	30	28	39	2	18
Soybeans Planted	7	7	7	3	NA
Burley Tobacco Set	1	NA	NA	NA	NA
Dark Tobacco Set	0	NA	NA	NA	NA

(NA)Data Not Available.

## SOIL MOISTURE

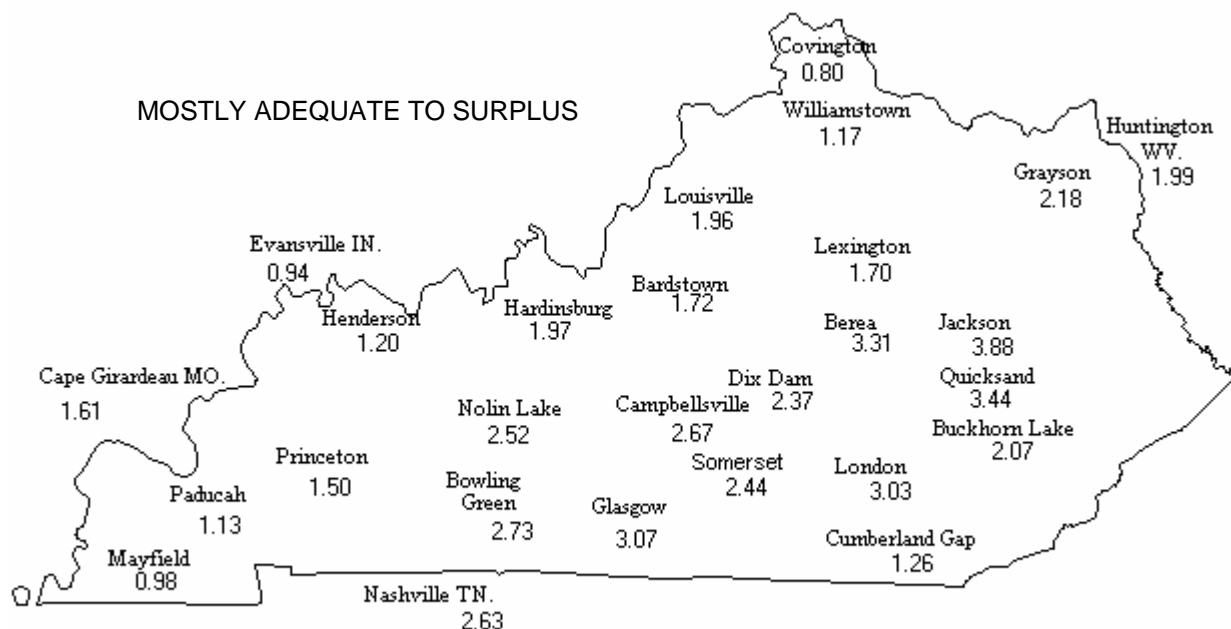
WEEK ENDING APRIL 29, 2005  
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	0	1
Short	1	12
Adequate	64	75
Surplus	35	12
<b>SUBSOIL</b>		
Very Short	0	0
Short	2	5
Adequate	74	82
Surplus	24	13

## KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING APRIL 29, 2005						WEEK ENDING APRIL 22, 2005				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn Emerged	0	1	25	67	7	0	1	19	63	17
Wheat	1	2	15	64	18	1	3	17	51	28
Pasture	0	2	25	57	16	1	6	20	58	15
Hay Crops	0	3	24	54	19	-	-	-	-	-

## PRECIPITATION MAP FOR WEEK ENDING SUNDAY, MAY 1, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, APRIL 29, 2005



## KENTUCKY WEATHER SUMMARY, APRIL 25 – MAY 1, 2005:

### Below Normal Temperatures and Above Normal Precipitation:

The week began and ended with sunny skies and highs in the lower 60's, but a series of low pressure systems during the middle of the week brought lots of clouds, rain, and unseasonably cool temperatures for late April. The first system moved through on Tuesday. There was some clearing by early Wednesday, but light showers developed again. On Thursday, a low pressure system that formed near Texas moved northeast over Kentucky dropping about a quarter of an inch of precipitation. More rain came Friday night into Saturday morning dropping as much as 3 inches across portions of eastern Kentucky prompting flash flood watches and warnings. Weekly temperatures were well below normal. Lows dropped into the 30's on several nights, with frost threatening on the weekend. Highs only stayed in the 50's and 60's.

Temperatures for the period averaged 52 degrees across the State which was 9 degrees below normal. High temperatures averaged from 62 in the West to 61 in the East. Departure from normal high temperatures ranged from 14 degrees below normal in the West to 9 degrees below normal in the East. Low temperatures averaged from 43 degrees in the West to 43 degrees in the East. Departure from normal low temperature ranged from 7 degrees below normal in the West to 6 degrees below normal in the East. The extreme high temperature was 69 degrees at Paducah and Berea. The extreme low temperature was 31 in Covington.

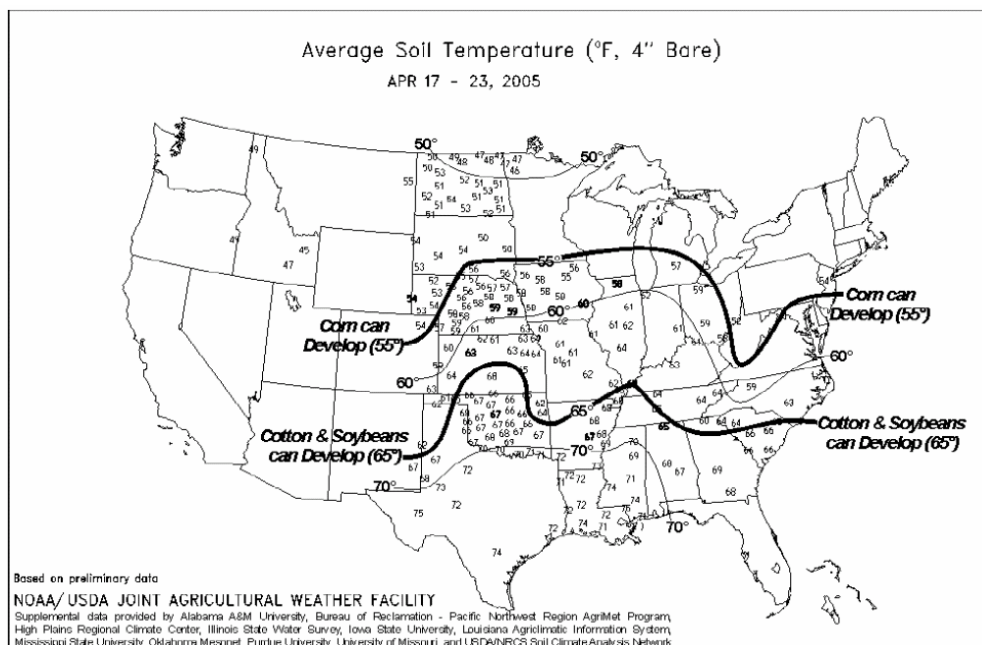
Precipitation (liq. equ.) for the period totaled 1.98 inches statewide which was 0.98 inches above normal. Precipitation totals by climate division, West 1.23 inches, Central 2.33 inches, Bluegrass 1.82 inches and East 2.54 inches, which was 0.15, 1.31, 0.87 and 1.60 inches respectively above normal. By station, precipitation totals ranged from a low of 0.80 inches at Covington to a high of 3.88 inches at Jackson.

Tom Priddy

### KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, MAY 1, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	1.72	5.88	5.22	+1.86	+1.58	64	34	51.1	-10	34	311	-4
Berea	3.31	5.92	4.68	+1.50	+0.69	69	37	53.1	-6	42	355	+39
Bowling Green	2.73	5.79	4.67	+1.31	+0.62	66	33	52.0	-9	36	312	-4
Bristol	2.01	5.44	4.27	+2.01	+1.17	66	32	50.9	-9	39	276	-8
Buckhorn Lake	2.07	4.58	3.44	+0.70	-0.07	65	36	51.9	-8	35	305	+21
Cape Girardeau	1.61	5.40	5.33	+0.80	+1.18	69	35	53.6	-10	46	310	-7
Campbellsville	2.67	6.33	5.55	+1.42	+1.12	65	35	51.2	-10	35	327	+11
Covington	0.80	3.78	3.38	-0.11	-0.13	62	31	49.1	-10	23	256	+2
Cumberland Gap	1.26	4.23	3.13	-0.01	-0.70	66	36	51.9	-8	36	306	+22
Dix Dam	2.37	5.19	4.35	+0.82	+0.40	65	35	51.1	-8	32	310	-5
Evansville	0.94	2.08	1.77	-2.09	-2.00	64	34	51.0	-12	32	289	+3
Glasgow	3.07	6.97	5.75	+2.26	+1.49	68	33	53.2	-8	51	379	+123
Grayson	2.18	5.06	3.47	+1.29	+0.07	65	36	52.6	-7	40	315	+62
Hardinsburg	1.97	3.65	3.16	-0.82	-0.88	65	35	50.8	-10	29	313	-3
Henderson	1.20	3.72	3.57	-0.69	-0.41	64	38	52.5	-11	38	304	-12
Huntington	1.99	5.01	3.27	+1.27	-0.11	66	35	53.0	-7	42	322	+38
Jackson	3.88	7.47	5.47	+3.23	+1.64	64	39	52.7	-7	36	333	+49
Lexington	1.70	3.47	2.88	-0.55	-0.76	63	35	50.5	-9	28	271	+17
London	3.03	6.14	5.00	+2.08	+1.33	67	34	51.1	-8	34	292	+8
Louisville	1.96	3.54	3.19	-0.84	-0.77	66	35	50.5	-10	29	294	+8
Mayfield	0.98	3.81	3.58	-1.40	-1.13	63	36	51.7	-11	34	304	-43
Nashville	2.63	6.93	5.58	+2.40	+1.49	67	37	53.9	-7	47	347	+0
Nolin Lake	2.52	5.55	4.63	+0.84	+0.38	65	34	51.6	-9	32	322	+7
Paducah	1.13	4.55	4.40	-0.62	-0.27	69	35	53.6	-9	46	329	+12
Princeton	1.50	4.61	4.12	-0.35	-0.36	66	35	52.9	-10	45	368	+22
Quicksand	3.44	6.63	4.97	+2.39	+1.14	64	36	52.0	-8	36	299	+15
Somerset	2.44	6.25	5.35	+1.74	+1.27	67	34	50.6	-9	33	289	-26
Spindletop	1.59	3.30	2.74	-0.72	-0.90	63	38	50.5	-9	29	264	+10
Williamstown	1.17	3.65	3.18	-0.64	-0.70	62	33	49.7	-10	26	265	+11

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>



### Corn Percent Planted Week Ending April 24, 2005

State	Apr 24 2005	Prev Week	Prev Year	5-Yr Avg
CO	15	5	9	8
IL	64	35	61	36
IN	36	12	38	19
IA	17	6	34	19
KS	41	22	44	38
<b>KY</b>	<b>60</b>	<b>20</b>	<b>70</b>	<b>52</b>
MI	25	9	14	5
MN	4	0	21	13
MO	62	49	76	60
NE	9	5	20	14
NC	67	32	72	65
ND	11	0	15	7
OH	54	9	26	10
PA	15	5	7	5
SD	7	0	7	5
TN	63	31	80	71
TX	72	64	69	67
WI	8	0	3	4
ALL	30	14	35	22
These 18 States planted 92% of last year's corn acreage.				

### Winter Wheat Condition (Percent) Week Ending April 24, 2005

State	VP	P	F	G	E X
AR	0	8	46	40	6
CA	0	0	5	44	51
CO	1	11	25	40	23
ID	0	0	5	76	19
IL	1	9	23	51	16
IN	1	4	23	57	15
KS	1	3	22	56	18
MI	2	4	25	63	6
MO	2	7	32	51	8
MT	1	4	26	46	23
NE	1	3	29	49	18
NC	0	3	25	60	12
OH	1	3	16	56	24
OK	2	8	34	45	11
OR	1	10	27	57	5
SD	0	2	17	57	24
TX	1	8	27	44	20
WA	2	4	17	65	12
ALL	1	6	25	51	17
Prev Wk	1	5	25	53	16
Prev Yr.	8	14	30	39	9

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.